



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit 2183
Examiner David J. Huisman

In Re: Enric Musoll et al.
Case: P3810
Serial No.: 09/595,776
Filed: June 16, 2000
Subject: Methods and Apparatus for Improving Fetching and
Dispatch of Instructions in Multithreaded Processors

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To: The Commissioner of Patents
PO Box 1450
Alexandria, VA 22313-1450

AUG 25 2003
Technology Center 2100

Dear Sir;

Response A

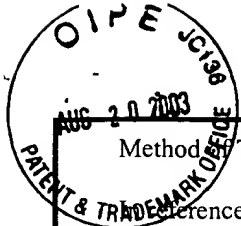
In the specification:

Please replace the title of the invention with the following title:

A1
-- Methods and Apparatus for Predicting Data Cache Instruction Outcome in
Pipelined Multithreaded Processors for Improved Instruction Fetching and
Dispatch--

Please replace the paragraph beginning on page 1, line 22 with the following
paragraph:

A2
-- Multi-streaming processors capable of processing multiple threads are known in
the art, and have been the subject of considerable research and development. The
present invention takes notice of the prior work in this field, and builds upon that
work, bringing new and non-obvious improvements in apparatus and methods to



08-22-03

2183

Method of Transmission: EV298199677US

CASE DOCKET NO. P3810

Reference to application of Enric Musoll et al.

Serial No. 09/595,776

For Methods and Apparatus for Improving Fetching and Dispatch of Instructions in Multithreaded Processors

Sir:

Transmitted herewith is and an amendment in the above-identified application, under 37 C.F.R. 1.312

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- ☒ No additional fee is required.
☒ Applicant claims Small entity status under 37 CFR 1.27.
☐ The fee has been calculated as shown below.

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**** CLAIMS AS AMENDED ****

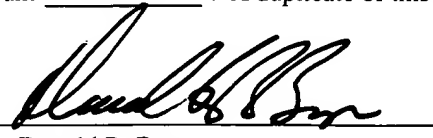
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Claims Remaining After Amendment		Highest No. Paid For Previously	Present Extra	Rate Small Entity	Rate Large Entity	Additional Fee
Total Claims	13	Minus	** 20	0	\$ 9	\$ 18	\$ 0.00
Indep Claims	3	Minus	*** 3	0	\$ 42	\$ 84	\$ 0.00
<input type="checkbox"/> First presentation of a multiple dependent claim					\$ 0	\$ 0	\$ 0.00
<input type="checkbox"/> Terminal Disclaimer Fees							\$ 0.00
Extension Fee	<input type="checkbox"/> 1st Month		<input type="checkbox"/> 2nd Month		<input type="checkbox"/> 3rd Month		\$ 0.00
Total additional for claims, time extensions and disclaimer fees							\$ 0.00

** If the "highest Number Previously Paid For" in this space is less than 20, write "20" in this space.

*** If the "highest Number Previously Paid For" in this space is less than 3, write "3" in this space.

**** Multiple dependencies, if any, included in the above calculation.

* If the entry in column 2 is less than the entry in column 4, write "0" in column 5.

☐ A check in the amount of 0.00 is attached.☐ Charge \$ 0.00 to deposit account 50-0534 . (A duplicate of this sheet is enclosed)☒ Please charge any additional fees or credit overpayment to Deposit Account 50-0534 . A duplicate of this sheet is enclosed.Respectfully Submitted, Donald R. Boys
Reg. No. 35074Donald R. Boys
Central Coast Patent Agency, Inc.
P.O. Box 187
Aromas, CA 95004
(831) 726-1457



Certificate of Express Mailing

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"Express Mail" Mailing Label Number: **EV298199677US**

Date of Deposit: **08/20/2003**

Ref: Case Docket No.: **P3810**

First Named Inventor: **Enric Musoll**

Serial Number: **09/595,776**

Filing Date: **06/16/2000**

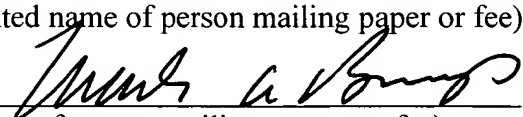
Title of Case: **Methods and Apparatus for Improving Fetching and Dispatch of Instructions in Multithreaded Processors**

I hereby certify that the attached papers are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and addressed to the Commissioner of Patents and Trademarks, Washington D.C. 20231

1. Response A.
2. Response transmittal.
3. Duplicate Response transmittal.
4. Certificate of express mailing.
5. Postcard listing contents.

Mark A. Boys

(Typed or printed name of person mailing paper or fee)


(Signature of person mailing papers or fee)